

IFWO

RAW SEQUENCE LISTING

DATE: 10/15/2004 TIME: 10:59:38

PATENT APPLICATION: US/10/702,319A

Input Set: N:\AMC\US10702319A.raw

Output Set: N:\CRF4\10152004\J702319A.raw

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1 <110> APPLICANT: Perera, Ranjan
              Rice, Stephen
              Eagleton, Clare
      3
      4 <120> TITLE OF INVENTION: Compositions and Methods for the
             Modification of Gene Expression
      6 <130> FILE REFERENCE: 11000.1036c5
C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/702,319A
      8 <141> CURRENT FILING DATE: 2003-11-06
     9 <150> PRIOR APPLICATION NUMBER: U.S. No. 10/291,447
     10 <151> PRIOR FILING DATE: 2002-11-08
     11 <150> PRIOR APPLICATION NUMBER: U.S. No. 60/425,087
     12 <151> PRIOR FILING DATE: 2002-11-08
     13 <150> PRIOR APPLICATION NUMBER: U.S. No. 10/137,036
     14 <151> PRIOR FILING DATE: 2002-04-30
     15 <150> PRIOR APPLICATION NUMBER: U.S.
                                             No. 09/724,624
     16 <151> PRIOR FILING DATE: 2000-11-28
     17 <150> PRIOR APPLICATION NUMBER: U.S. No. 09/598,401
     18 <151> PRIOR FILING DATE: 2000-06-20
     19 <150> PRIOR APPLICATION NUMBER: PCT/NZ00/00018
     20 <151> PRIOR FILING DATE: 2000-02-24
     21 <150> PRIOR APPLICATION NUMBER: U.S. No. 60/146,591
     22 <151> PRIOR FILING DATE: 1999-07-30
     23 <150> PRIOR APPLICATION NUMBER: U.S. Patent No. 09/276,599
     24 <151> PRIOR FILING DATE: 1999-03-25
     25 <160> NUMBER OF SEQ ID NOS: 129
     26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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Output Set: N:\CRF4\10152004\J702319A.raw

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| 47 | aactacatta | cttcctaaat | catatcaaaa | ttgtataaat | atatccactc | aaaggagtct | 180 |
| 48 | agaagatcca | cttggacaaa | ttgcccatag | ttggaaagat | gttcaccaag | tcaacaagat | 240 |
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| 50 | taaaaaatct | atgtattatt | aagtcaaaaa | gaaaaccaaa | gtgaacaaat | attgatgtac | 360 |
| 51 | aagtttgaga | ggataagaca | ttggaatcgt | ctaaccagga | ggcggaggaa | ttccctagac | 420 |
| 52 | | ggccggaatc | | | | | 480 |
| 53 | tgaatcatgt | tttttatgat | ggaaatagat | tcagcaccat | caaaaacatt | caggacacct | 540 |
| 54 | aaaattttga | agtttaacaa | aaataacttg | gatctacaaa | aatccgtatc | ggattttctc | 600 |
| 55 | | tagaattttc | | | | | 660 |
| 56 | tcctacttca | ccgttaatta | cattccttaa | gagtagataa | agaaataaag | taaataaaag | 720 |
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| 58 | | tggcataatg | | | | | 840 |
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| 60 | | tacgtctcga | | | | | 960 |
| 61 | | gccagcgcac | | | | | 1020 |
| 62 | tatccccgct | ggtacgcaac | caccgatggt | gacaggtcgt | ctgttgtcgt | gtcgcgtagc | 1080 |
| 63 | | tctcatccaa | | | | | 1140 |
| 64 | tttctcttgc | gttgtataat | cagtgcgata | ttctcagaga | gcttttcatt | caaaggtatg | 1200 |
| 65 | gagttttgaa | gggctttact | cttaacattt | gtttttcttt | gtaaattgtt | aatggtggtt | 1260 |
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| 68 | | tgtctctctg | | | | | 1440 |
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| 74 | gacatgtcac | atgtcacata | ttttcttcct | cttatccttc | gaactgatgg | ttctttttct | 1800 |
| 75 | aattcgtgga | ttgctggtgc | catattttat | ttctattgca | actgtatttt | agggtgtctc | 1860 |
| 76 | tttctttttg | atttcttgtt | aatatttgtg | ttcaggttgt | aactatgggt | tgctagggtg | 1920 |
| 77 | tatgaaatat | tcttttgtgc | ttctttcgca | gaatctgtcc | gttggtctgt | atttgggtga | 1980 |
| 78 | tgaattattt | attccttgaa | gtatctgtct | aattagcttg | tgatgatgtg | caggtatatt | 2040 |
| 79 | cgttagtcat | atttcaattt | caagatgcag | atctttgtca | agactctcac | cggtaagacc | 2100 |
| 80 | atcactctcg | aggtcgagag | ctctgacacc | attgacaatg | ttaaagctaa | gatccaggac | 2160 |
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| 82 | ggccgaaccc | ttgccgatta | caacatccag | aaagaatcta | ccctccacct | tgttctccgt | 2280 |
| 83 | ttgaggggtg | gcatgcaaat | ctttgtaaaa | acactaactg | gaaagacaat | tacattggaa | 2340 |
| 84 | gttgagaget | cggacaccat | tgacaacgtc | aaggccaaga | tccaggacaa | ggaaggaatt | 2400 |
| 85 | ccccctgacc | agcagaggct | tatetteget | ggtaagcagc | tggaggatgg | caggaccttg | 2460 |
| 86 | gctgattaca | atattcaaaa | ggaatcgacc | ctgcatttgg | tgcttcgtct | aagaggaggc | 2520 |
| 87 | atgcaaatct | ttgtgaaaac | ccttacaggt | aaaaccatta | ctctggaagt | ggaaagctcg | 2580 |
| 88 | gacaccattg | acaatgtgaa | ggctaagatc | caggacaagg | agggaattcc | acctgaccag | 2640 |
| 89 | cagaggttga | tctttgccgg | taagcagctg | gaagatggtc | gtactctcgc | cgattacaat | 2700 |
| 90 | actcagaagg | aatcgaccct | tcacctggtg | ctccgtctcc | gcggtggctt | ttaggtttgg | 2760 |
| 91 | gcgctatttg | tggataataa | attcgggtga | tgttcagtgt | ttgtcgtatt | tctcacgaat | 2820 |
| 92 | aaattgtgtt | tatgtatgtg | ttagtgttgt | ttgtctgttt | cagaccctct | tatgttatat | 2880 |
| 93 | LLLLCTTTTC | gtcggtcagt | tgaagccaat | actggtgtcc | tggccggcac | tgcaatacca | 2940 |
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Input Set : N:\AMC\US10702319A.raw

Output Set: N:\CRF4\10152004\J702319A.raw

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| | NAME/KEY: | ביוויים | | | | | | | | | | |
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| 110 | | | | | | gatataaaaa | 120 | | | | | |
| 111 | aactacatta | cttcctaaat | catatcaaaa | ttgtataaat | atatccactc | aaaggagtct | 180 | | | | | |
| 112 | agaagatcca | cttggacaaa | ttgcccatag | ttggaaagat | gttcaccaag | tcaacaagat | 240 | | | | | |
| 113 | | | | | | gattatagag | 300 | | | | | |
| 114 | taaaaaatct | atgtattatt | aagtcaaaaa | gaaaaccaaa | gtgaacaaat | attgatgtac | 360 | | | | | |
| 115 | aagtttgaga | ggataagaca | ttggaatcgt | ctaaccagga | ggcggaggaa | ttccctagac | 420 | | | | | |
| 116 | agttaaaagt | ggccggaatc | ccggtaaaaa | agattaaaat | ttttttgtag | agggagtgct | 480 | | | | | |
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| 120 | tectaettea | ccgttaatta | cattccttaa | gagtagataa | agaaataaag | taaataaaag | 720 | | | | | |
| 121 122 | | | | | | gtttatttat | 780 | | | | | |
| 123 | taatttata | tenanage | acatategga | gatecetega | acgagaatct | tttatctccc | 840 | | | | | |
| 124 | gggtttgta | tagatataga | acctactgtg | gggtccacgc | ggagttggaa | tcctacagac | 900 | | | | | |
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| 126 | | | | | | gtcgcgtagc | 1020 | | | | | |
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| 128 | | | | | | caaaggtatg | 1200 | | | | | |
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| 130 | | aagaatcttt | | | | | 1320 | | | | | |
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| 132 | | | | | | gtagtcgctg | 1440 | | | | | |
| 133 | | | | | | ttgcgtcatg | 1500 | | | | | |
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| 135 | | cctcctttga | | | | | 1620 | | | | | |
| 136 | cgttctgtag | taatattta | attttgggcc | cgggttctga | gggtaggtga | ttattccagt | 1680 | | | | | |
| 137 | gatgtgcttt | ccctataagg | tcctctatgt | gtaagctgtt | agggtttgtg | cgttactatt | 1740 | | | | | |
| 138 | | atgtcacata | | | | | 1800 | | | | | |
| 139 | | ttgctggtgc | | | | | 1860 | | | | | |
| 140 | | atttcttgtt | | | | | 1920 | | | | | |
| 141 | tctgccctct | tcttttgtgc | ttctttcgca | gaatctgtcc | gttggtctgt | atttgggtga | 1980 | | | | | |
| 142 | tgaattattt | attccttgaa | gtatctgtct | aattagcttg | tgatgatgtg | caggtatatt | 2040 | | | | | |
| 143 | cgttagtcat | atttcaattt | caag | | | | 2064 | | | | | |

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Input Set : N:\AMC\US10702319A.raw

Output Set: N:\CRF4\10152004\J702319A.raw

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158
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191
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Input Set : N:\AMC\US10702319A.raw
Output Set: N:\CRF4\10152004\J702319A.raw

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207 <221> NAME/KEY: TATA signal
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                                                                                   120
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212
                                                                                   180
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/702,319A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 482

VERIFICATION SUMMARY

DATE: 10/15/2004 PATENT APPLICATION: US/10/702,319A TIME: 10:59:39

Input Set : N:\AMC\US10702319A.raw

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